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to move towards the West. They soon blended together, and formed a dirty red sky, tinged with yellow.

“ N. B. THERE were no streamers, corruscations, tremulous or dancing motions, as are common to such Phænomena. This was a quiet one, except that it changed colours, and moved towards the West, as already described.

“ DURING the appearance the air was uncommonly severe and chilling; and, though the Heavens were serene and bespangled with stars, the atmosphere felt damp and heavy.

“ A little before ten o'clock, the whole sunk below our horizon and disappeared.”

*Mr. Thomas Gilpin hath presented a model of a Horizontal Wind-mill; and writes to the Society as follows.*

“ THAT to obviate the difficulty of turning the house, or frame, of common wind-mills to the wind, he had contrived a model of a horizontal wind-mill, which he had fixed to three pumps, as he apprehended the chief use of such a mill would be the applying it to raise water out of mines and quarries, and likewise out of wells, or brooks for watering meadows. He thinks also it might be further applied to answer the various uses of other wind-mills, without the inconvenience in turning or shifting them as the winds shift.

“ THE model is three pumps erect, in a triangular position; in the center is a crank erect in a step, and studded by a neck in a frame, from the ears of the pumps; on the top of the crank are eight arms, and at the ends of each is a sail which alternately draws with the wind, and folds against it, which gives a powerful motion to the crank, which, by a handle to each pump, works them in a regular succession.”

*Mr. John Jones, of Indian River, Worcester County, Maryland, gives the following account of a Species of Grape Vines, which he had discovered, different from all others he had ever seen.---*

“ THE bark (he says,) is of a grey colour, very smooth, and the wood of a firm texture. They delight in a high sandy soil;